

ANANT GUPTA

CONTACT INFORMATION	<i>E-mail:</i> anant0224@gmail.com	<i>Webpage:</i> pages.cs.wisc.edu/~anant
EDUCATION	University of Wisconsin-Madison MS in Computer Science, GPA: 4.0/4.0 (current), Graduating in December 2019	2017 - 2019
	Indian Institute of Technology, Bombay BTech. (with honours) in Computer Science and Engineering, CGPA: 9.22/10.0	2012 - 2016
WORK EXPERIENCE	Google, Bangalore Software Engineer (Docs intelligence team) <ul style="list-style-type: none">• Developed features for document understanding in Google's suite of cloud-based text editors.• Implemented and launched a feature in Google docs that allows users to search the web and cite papers without leaving the page.• Collaborated with another research team to develop a document summarization tool, launched it internally (within Google).• Runner up in hackathon among 50 entries for building an autocomplete demo in Google docs.• Took initiative to build a framework for tracking quality and usage metrics of launched products.	Jul, 2016 - Aug, 2017
INTERNSHIPS	Amazon Lab126, Sunnyvale Applied Scientist Intern <ul style="list-style-type: none">• Worked on the problem of segmenting object co-occurrences from image pairs. Implemented methods from co-segmentation literature, ran experiments with new loss functions, network architectures and training paradigms. Presented poster at Amazon Machine Learning Conference.	May - July 2019 Mentor: Ambrish Tyagi
	Google, Mountain View Software Engineering Intern <ul style="list-style-type: none">• Enhanced Google's ad serving pipeline to enable intercepting ad requests on the client using background workers in Javascript.	May - July 2015 Mentor: Nikita Beloglazov
CONFERENCE PUBLICATIONS	<ul style="list-style-type: none">• Photon-Flooded Single-Photon 3D Cameras, <i>Anant Gupta, Atul Ingle, Andreas Velten, and Mohit Gupta. CVPR 2019 (oral presentation).</i>• Asynchronous Single-Photon 3D Imaging, <i>Anant Gupta, Atul Ingle, and Mohit Gupta. ICCV 2019 (Best Paper Honorable Mention).</i>	
GRADUATE COURSE PROJECTS	<ul style="list-style-type: none">• Cascading Bandits (Machine Learning Theory): Modelled the problem of ranking search results using click feedback in an online learning framework (cascading bandits). Proposed a novel algorithm that finds the top-ranked search result in the least number of queries.• Preposition Error Correction (Deep Learning): Designed a classifier for predicting correct prepositions in English sentences. Using a graph-convolutional neural network, achieved 8% improvement in test accuracy over baseline model.	
ADDITIONAL INFORMATION	<ul style="list-style-type: none">• All India Rank 7 in IIT JEE out of 480,000 students, All India Rank 2 in AIEEE out of 1,300,000 students (college admission tests equivalent to SATs).• Technical Skills: Python, C++, Java, MATLAB. Experience in Deep Learning frameworks: PyTorch, Tensorflow• Teaching Assistant for three courses: Computer Vision, Discrete Mathematics (UW Madison) and Computer Programming and Utilization (IIT Bombay)	